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[45] Mar. 29, 1983

[54]	PROCESS OF COATING A METAL STRIP WITH HIGH-VISCOSITY COATING MATERIAL		3,789,795 2/1974 Brandenburg	
			FOREIGN PATENT DOCUMENTS	
[75]	Inventors:	Makoto Yoshida; Fumio Yamamoto, both of Kitakyushu, Japan	857110 12/1960 United Kingdom 118/212	
[73]	Assignee:	Nippon Steel Corporation, Tokyo, Japan	Primary Examiner—John P. McIntosh Attorney, Agent, or Firm—Wenderoth, Lind & Ponack	
[21]	Appl. No.:	308,851	[57] ABSTRACT	
[22]	Filed:	Oct. 5, 1981	An apparatus for applying a coating of high-viscosity coating material onto a metal strip at high speed,	
Related U.S. Application Data		ted U.S. Application Data	wherein the apparatus has a roll having recesses or grooves thereon; a supplying source for forcedly filling the coating material in the recesses or grooves provided on the roll; a doctor for removing excessive coating material remaining on the roll having recesses or grooves other than the coating material filled in the recesses or grooves; a coating roll which rotates in contact with the roll	
[60]	doned, which is a continuation of Ser. No. 927,908, Jul. 25, 1978, abandoned. Int. Cl. ³			
[51] [52] [58]				
[56]	References Cited		having recesses or grooves;	
U.S. PATENT DOCUMENTS			at least one smoothing roll of smaller diameter which rotates in contact with the coating roll; and	
2,177,656 10/1939 Kaddeland			a back-up roll which holds the metal strip against the coating roll.	

5 Claims, 7 Drawing Figures

